

# ISO 19609-3:2022-11 (E)

## Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 3: Testing for contaminants

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Testing of contaminants .....</b>	<b>2</b>
<b>4.1</b>	<b>Determination of heavy metals in herbal medicines and products used in and as traditional Chinese medicine .....</b>	<b>2</b>
4.1.1	General .....	2
4.1.2	Sample preparation .....	2
4.1.3	Liberation or release of heavy metals with microwave digestion .....	3
4.1.4	Sample solution .....	4
4.1.5	Measurement of heavy metals .....	4
4.1.6	Method validity and reporting .....	5
<b>4.2</b>	<b>Determination of pesticides in herbal medicines and products used in and as traditional Chinese medicine .....</b>	<b>5</b>
4.2.1	General .....	5
4.2.2	Sample preparation .....	5
4.2.3	Extraction of pesticides .....	5
4.2.4	Extraction method .....	6
4.2.5	Sample solution .....	6
4.2.6	Measurement of pesticides .....	6
4.2.7	Method validity and reporting .....	6
<b>4.3</b>	<b>Determination of aflatoxins in herbal medicines and products used in and as traditional Chinese medicine .....</b>	<b>6</b>
4.3.1	General .....	6
4.3.2	Sample preparation .....	7
4.3.3	Extraction of aflatoxins .....	7
4.3.4	Sample solution .....	8
4.3.5	Measurement of aflatoxins .....	8
4.3.6	Method validity and reporting .....	8
<b>4.4</b>	<b>Determination of microbial contamination in herbal medicines and products used in and as traditional Chinese medicine .....</b>	<b>8</b>
4.4.1	General .....	8
4.4.2	Sample preparation .....	8
4.4.3	Sample solution .....	9
4.4.4	Reagents and buffer solution .....	9
4.4.5	Measurement of the content of microorganisms .....	10
4.4.6	Method validity and reporting .....	10
Bibliography .....		11